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BOBRANSKI, Boguslaw; SYPER, Ludwik

Quantitative determination of α-allyl- γ-valerolactone in physiologic body fluids. Arch. immun. ther. exp. 11 no.1/2: 127-133 '63.

1. Department of Pharmaceutical Chemistry, School of Medicine, Wroclaw; Department of Drug Synthesis, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.
(LACTONES) (HYPNOTICS AND SEDATIVES)
(BODY FLUIDS) (CHROMATOGRAPHY)

SYPER, L.

1,3-dipole addition of diphenyl-nitryl-imines to olefins.
Wiad chem 17 no. 5: 305-307 My '63.

BOBRANSKI, Boguslaw; PRELICZ, Danuta; SYPER, Ludwik; WOJTOWSKI, Ryszard

On the isomerization of 5-allyl-5-(β-hydroxypropyl)-barbituric acid. Rocz chemii 37 no. 7/8:795-803 '63.

1. Department of Pharmaceutical Chemistry, School of Medicine, Wroclaw; Department of Drug Synthesis, The Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

MUSHEGYAN, S.A.; GORDEYEV, S.V.; MARTYNOV, L.N.; CYPER, N.A.

AIK-RP-62 apparatus and its use in the oncological clinic.
Vop. onk. 11 no.9:75-79 '65. (MIRA 18:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (dir. - zasluzhennyy vrach RSFSR M.G.Anan'yev).

SYPKIN, Ya. Z.

"Theory of the Unsteady (Repulsion)"

Avt i Tele. 10, 189-224, 342-361, 1949.

YUDOVICH, S.Z.; ABRAMOV, V.V.; GABUYEV, G.Kh.; FRANTSOV, V.P.; SMOLYAKOV, V.F.; SYPKO, A.V.; TRAVININ, V.I.; POTAPOVA, V.P.

Effect of the method of smelting and processing on the quality of the DI-1 heat-resistant stainless steel. Stal' 25 no.8:752-753 Ag '65. (MIRA 18:8)

L 06193-67 EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/JG

ACC NR: AP6032200 SOURCE CODE: UR/0133/66/000/010/0947/0947

AUTHOR: Yudovich, S. Z.; Abramov, V. V.; Sypko, A. V.; Frantsov, V. P.; Travinin, V. I.; Borisenko, I. G.

ORG: none

45
41
B

TITLE: Forgeability of heat-resistant DI-1 stainless steel

SOURCE: Stal', no. 10, 1966, 947

TOPIC TAGS: heat resistant steel, stainless steel, martensitic steel, chromium nickel molybdenum steel, steel forging /DI-1 stainless steel

ABSTRACT: The forgeability of heat-resistant DI-1 stainless steel is affected by the following factors: chemical composition, amount of impurities, microstructure, surface condition of the ingot and phase composition. The decisive factor, however, was found to be the alpha-phase content. The amount of α-phase at 1200C varies between 3 and 8% (depending on the holding time) and between 9—20% at 1250C. The α-phase content affects negatively the elongation and reduction of area. To improve forgeability, the heating of ingots from 900C to 1200C should be done as fast as possible, the holding time at 1200C should not be less than 3 min per cm of cross section, and the absolute reduction should not be more than 25—30 mm per pass. The best chemical

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L 06193-67
ACC NR: AP6032200

composition was established as follows: carbon 0.19—0.21%, manganese 0.33—0.38%, silicon 0.22—0.30%, chromium 15.0—15.5%. Orig. art. has: 2 figures.

SUB CODE: 11,13/ SUBM DATE: none/ ORIG REF: 001

Card 2/2 afs

MURANIVSKIY, T.V.; SYPKO, I.Ya.

First results of the work in courses to improve the qualifications of information workers at the All-Union Institute of Scientific and Technological Information. NTI no.10:5-6 '63. (MIRA 17:1)

3

L 2364-66 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) MJW/JD/HW/
ACCESSION NR: AP5019947 UR/0133/65/000/008/0752/0753
669.187.26

AUTHORS: Yudovich, S. Z.; Abramov, V. V.; Gabuyev, G. Kh.; Frantsov, V. P.; Smolyakov, V. P.; Sypko, A. V.; Travinin, V. I.; Potapova, V. P.

TITLE: Effects of smelting and working methods on the properties of heat resistant stainless steel DI-1

SOURCE: Stal', no. 8, 1965, 752-753

TOPIC TAGS: stainless steel property, stainless steel smelting, hot rolling, forging/ DI 1 steel alloy, 20Kh15N3MA steel alloy

ABSTRACT: The effects of smelting and hot working methods on the properties of stainless steel DI-1 (20Kh15N3MA) were investigated. The metal was melted in 20-ton arc furnaces, poured into 2850 and 1000 kg ingots, part of which were hot rolled and part forged into 170- to 180-mm diameter rods. Part of the smelt was electroslag remelted and also forged or hot rolled into rods. During forging the ingots were heated to 1160-1180C, reduced to 200 x 200 mm blanks (850-900C), slowly cooled to 100-150C, reheated to 1160-1180C for final forging into rods (final temperature, 850-900C), and annealed at 660C. For hot rolling the blanks were placed at 750-800C in a recovery furnace. It was found that after remelting the oxide and sulfide

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L 2364-66
ACCESSION NR: AP5019947

2

content in DI-1 dropped from ball 4 and 2 (coarse scale) to ball 1.0-1.5 and 0.5 respectively. The α-phase content also decreased as did the O_2 (by a factor of 2-3) and H_2 (factor of 2) contents. The properties of the arc smelted (DI-1) and resmelted (DI-1Sh) steels after heat treatment were σ_B = 102.5 kg/mm^2, δ = 12%, a_K = 6.0 kgm/cm^2 and 107, 16.5, and 6.2 respectively. The type of hot working method (forging or hot rolling) had no appreciable effect on any of the properties, but in both cases plasticity dropped sharply for working temperatures above 1200C (because of increased α-phase formation). Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000

BVK
Card 2/2

SYPKO, I.Ya.

Improving the qualifications of information workers in the Union republics and in economic regions. NTI no.3:11-14 '64.
(MIRA 17:9)

SYPKO, M.Ye.

Increasing the sources of hydrogen supplied for ammonia synthesis.
Koks i khim. no.6:57 '63. (MIRA 16:9)

1. Kemerovskiy koksokhimicheskiy zavod.
(Kemerovo—Coke industry—By-products) (Ammonia)
(Hydrogen)

SYPNIEWSKA, Maria

Congenital high dystopy of the kidney. Polski przegl.chir. 27 no.5:467-471 May '55.

1. Z Zakladu Radiologii Pomorskiej A M w Szczecinie. Kierownik: prof. dr. Cz. Murczynski. Szczecin, Zaklad Radiologii A M

(ABNORMALITIES,
aberrant kidney, high dystopy)
(KIDNEYS, abnormalities,
aberrant high kidney)

MURCZYNSKI, Czeslaw; SYPNIEWSKA, Maria

Problem of the morphogenesis of the frontal sinuses. Polski przegl. radiol. 21 no.2:81-89 Mar-Apr 57.

1. Z Zakladu Radiologii PAM w Szczecinie Kierownik: prof. dr C. Murczynski.
(FRONTAL SINUS, anat. & histol.
relation to pathol. of various organs (Pol))

MURCZYNSKI, Czeslaw; SYPNIEWSKA, Maria

Clinical significance of radiation fibrosis. Polski tygod. lek. 14 no.11:478-482 16 Mar 59.

1. (Z Zakladu Radiologii Pom. Akademii Medycznej w Szczecinie; kier: prof. dr. Cz. Murczynski) Szczecin, Unii Lubelskiej I, Panstw. Szpital Kliniczny.

(PULMONARY FIBROSIS, etiol. & pathogen.
radiother. (Pol))
(RADIOTHERAPY, inj. eff.
pulm. fibrosis (Pol))

SYPNIEWSKA, Maria

Significance of roentgen examination in the diagnosis of dwarfism. Polski przegl.radiol. 23 no.4:207-216 Jl-Ag '59.

1. Z Zakladu Radiologii PAM w Szczecinie Kierownik: prof. dr C. Murczynski.
(DWARFISM radiography)

MAJ, Jerzy; SOWINSKA, Helena; SYPNIEWSKA, Marta

Pharmacologic properties of sulphur derivatives of theophylline. Arch. immun. ther. ex. 10 no.1:141-149 '62.

1. Department of Pharmacodynamics, School of Medicine, Cracow.
(THEOPHYLLLINE rel cpds)

MAJ, Jerzy; SOWINSKA, Helena; SYPNIEWSKA, Marta

On the diurctic activity of a new sulphur derivative of thecphylline. Arch. immun. ther. ex. 10 no.1:151-159 '62.

1. Department of Pharmacodynamics, School of Medicine, Cracow.
(THEOPHYLLINE rel cpds) (DIURETICS)

MURCZYNSKI, Czesław; MIKOSZA, Henryk; GREC, Stefan; SYPNIEWSKA, Maria; TUSTANOWSKI, Stanisław; NAROŻNIK, Kazimierz.

Use of radioactive krypton-81 for the determination of pulmonary ventilation disorders. Gruźlica 32 no.2:107-111 F'64.

1. Z Zakładu Radiologii (Kierownik: prof. dr. Cz. Murczyński) i z Zakładu Fizyki (Kierownik: dr. H. Miksza) PAM w Szczecinie.

*

MURCZYNSKI, Czeslaw; MIKOSZA, Henryk; GREC, Stefan; SYPNIEWSKA, Maria; TUSTANOWSKI, Stanislaw; NAROZNIK, Kazimierz

Respiratory function tests with thulium-170. Pol. arch. med. wewnet. 34 no.6:732-735 '64

1. Z Zakladu Radiologii Pomorskiej Akademii Medycznej w Szczecinie (Kierownik: prof. dr. Cz.Murczynski) i z Zakladu Fizyki Pomoskiej Akademii Medycznej w Szczecinie (Kierownik: dr. inz. H. Mikosza).

GOLEBIOWSKA, J.; SYPNIEWSKA, U.

Effect of the plant on the development of its symbiosis with Rhizobium. I. Development of bacteroidal tissues in root-nodules of various variants of lupine. Acta mikrob.polon. 8 no.3-4:299-300 '59.

1. Z Pracowni Mikrobiologicznej Zakladu Roslin Pastewnych Instytutu Uprawy, Nawozenia i Gleboznawstwa w Poznaniu.
(PLANTS)
(RHIZOBIUM)

SYPNIEWSKA, U.

Effect of the plant on the development of its symbiosis with Rhizobium. II. Development of root-nodules in different variants and families of Serradilla. Acta mikrob.polon. 8 no.3-4:301-302 '59.

1. Z Pracowni Mikrobiologicznej Zakladu Roslin Pastewnych Instytutu Uprawy, Nawozenia i Gleboznawstwa w Poznaniu.
(PLANTS)
(RHIZOBIUM)

GOLEBIOWSKA, Julia; SYPNIEWSKA, Urszula

Studies on the development cycle of Rhizobium lupini in root nodules. Acta microbiol. pol. 11 no.4:313-318 '62.

1. From the Microbiological Laboratory, Department of Fodder Plants, Institute of Soil Science and Cultivation of Plants, Poznan.
(RHIZOBIUM) (PLANTS) (SOIL MICROBIOLOGY)

GOLEBIOWSKA, Julia; SYPNIEWSKA, Urszula

The effect of the plant and of ecological conditions on development of symbiosis between Lupine and Rhizobium lupini. Acta micribiol. pol.11 no.4:319-327 '62.

1. From the Microbiological Laboratory, Department of Fodder Plants, Institute of Soil Science and Cultivation of Plants, Poznan.
(RHIZOBIUM) (PLANTS) (SYMBIOSIS) (SOIL MICROBIOLOGY)

SYPNIEWSKI, Andrzej, mgr inz.

System of automatic regulation of tool setting. Mechanik 35 no.10:570-571 O '62.

GORALSKI, Henryk, lek. med.; SYPNIEWSKI, Jacek

A case of television epilepsy. Neurol., neurochir., psychiat. Pol. 15 no.1:169-170 Ja-F'65.

1. Z Oddzialu Neurologicznego Szpitala Wojewodzkiego w Olsztynie (Ordynator Oddzialu: lek. med. H. Goralski).

P.T.A.

Metallurgy

669.017

907

Sypniewski R. **An Outline of Industrial Metals and Alloys Science.** "Zarys wiadomości o metalach i stopach przemysłowych". Warszawa, 1947, SIMP, 8°, pp. 280, 93 figs.

Introductory information. General properties of metals and alloys. (Physical, mechanical, technological and chemical properties). Imparting specific properties to metals (properties of alloys, modification of the properties of metals and alloys by means of heat treatment). Production of industrial metals (historical review, production of iron and steel, technology of semi-rare metals, making of alloys, casting ingots, metal-ceramic method of producing alloys). Industrial metals and alloys (steel, cast steel, cast iron, aluminium and aluminium alloys, magnesium and ultra-light alloys, copper and copper alloys, nickel, cobalt, zinc, tin, lead and their alloys. Precious metals Other metals).

[illegible], R.; [illegible], M.; [illegible], P.

"A Review of Forming Machinery Against the Background of the Actual Needs of Industry", p. 60, ([illegible], Vol. 27, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

[redacted], N.

"Production of Forged Parts from Cast Nonferrous Metals", p. 234;
"Improvement of a Cutter by Mieczyslaw Franzel", p. 235, (MECHANIK, Vol. 27, No. 6, June 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

SYPNIEWSKI, R.

The finishing of forgings by means of the surface and volumetric coinage operation.
p. 12.
(MECHANIK. Poland. Vol. 30, no. 1, Jan. 1957.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

SYPNIEWSKI, S.

Modern possibilities of stereophonic transmission in radio and television. p. 123.

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Warsawa, Poland.
Vol. 4, no. 3, Mar. 1959.

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Uncl.

General Hypercircumferences and Hyperhelices

Sypták, M. Hypercirconférences et hyperhélices générales. Acta Fac. Nat. Univ. Comenian. Math. 1 (1956), 179–199. (Czech. Russian and French summaries)

Dans ce mémoire le sujet de l'étude est les courbes de l'espace euclidien à p dimensions dont les courbures scalaires $a_1, a_2, \cdots$ sont telles que les rapports $a_1/a_2, a_2/a_3, \cdots$ sont des constantes, non nulles. Ces courbes sont appelées par l'auteur dans l'espace au nombre pair de dimensions hypercirconférences générales et celles dans l'espace au nombre impair de dimensions hyperhélices générales. Le mémoire est divisé en deux chapitres. Le chapitre I présent les équations des courbes en question. Dans le chapitre II on trouve une série des conditions nécessaires et suffisantes pour qu'une courbe soit de type en question.

Du résumé de l'auteur

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1-F\W

SYPTAK, Milic (Bratislava)

Sixty-fifth birthday of Professor Jan Srb. Cas pro pest mat 88 no.3:382-384 Ag '63.

BARA, Boleslaw; MAKOWER, Henryk; SKURSKA, Zofia; SYPULOWA, Alicja

Epidemic of Bornholm's disease observed in the summer of 1957 in the Bytom region. Arch.immun.ter.dosw. 7 no.4:569-586 '59.
(PLEURODYNIA, EPIDEMIC epidemiol.)

GIBINSKI, K.; BARA, B.; MAKOWER, H.; SKURSKA, Z.; SYPULOWA, A.

An epidemic of Bornholm disease. Polski tygod. lek. 14 no.48: 2101-2103 30 Nov 59.

1. (Z III Kliniki Chorob Wewnetrznych Sl. A. M. w Bytomiu: kierownik: prof. dr K. Gibinski , Oddzialu Wirusologii: kierownik: prof. dr H. Makower i Instytutu im. Hirszfelda we Wroclawiu: kierownik: prof. dr S. Slopek).
(PLEURODYNIA EPIDEMIC, epidemiol.)

6

SURNAME, Given Names
SYPULOWA, A.

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Postepy Higieny i Medycyny Doswiadczalnej, Vol XV, No 4, 1961, pp 440-441.

Data: "Early and Late Influenza Virus Strains in Tissue Cultures of the Chick Embryo." English abstract of article originally published in Arch. Immunol. i Terapii Dosw. 1960, 8, 101.

Authors:
SKURSKA, Zofia, PhD, Deputy Chief, Department of Virology (Zakład Wirologii), Ludwik Hirszfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczalnej Ludwika Hirszfelda), Polish Academy of Sciences (PAN--Polska Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.
MAKOWER, Henryk, MD., M Sc., Chief, Department of Virology, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw; Director: Prof. Stefan SLOPEK,
SYPULOWA, A.
LORODZINSKA, M.
KIDANKIEWICZ, T.

APO 9

SURNAME, Given Names
SYPULOWA, Alicja

7

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Postepy Higieny i Medycyny Doswiadczalnej, Vol XV, No 4, 1961, pp 437-438.

Data: "Bornholm Disease in Upper Silesia." English abstract of English article originally published in Bull. World Health Org., 1960, 22, 421.

Authors:
GIBINSKI, Kornel, MD, Chief, Third Medical Department, Silesian School of Medicine, Bytom.
MAKOWER, Henryk, MD, M Sc., Chief, Virology Department, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw; Director: Prof. Stefan SLOPEK, Dr.
SKURSKA, Zofia, PhD, Deputy Chief, Virology Department, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw; Director: Prof. Stefan SLOPEK, Dr.
BARA, Boleslaw, MD, Chief Assistant, Third Medical Department, Silesian School of Medicine, Bytom.
SYPULOWA, Alicja, M Sc., Virology Department, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, PAN, Wroclaw

SYPULOWA, Alicja; LOBODZINSKA, Maria; SKURSKA, Zofia

Induced fluorescence in the study of cells in tissue cultures infected with viruses. I. Differential staining of nucleic acids in HeLa cells infected with vaccinia viruses. Arch. immun. ther. exp. 12 no.2:156-163 '64

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

SKURSKA, Zofia; LUKASZEWICZ, Benon; WYSOCKI, Jan; SYPULOWA, Alicja; TOMASZEWSKA, Zofia

Adenovirus etiology of pseudodiphtheritic conjunctivitis. Arch. immun. ther. exp. 12 no.3:370-378 '64.

1. Infectious Diseases Department and Ophthalmologic Department, City Hospital, Swidnica; Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

LOBODZINSKA, Maria; SYFULOWA, Alicja; SKURSKA, Zofia

Induced fluorescence in the study of tissue culture cells infected with viruses. II. Nucleic acids in the kidney cells of chick embryos infected with influenza viruses. Arch. immun. ther. exp. 12 no.4:503-511 '64

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

SKURSKA, Zofia; BLACH, Zofia; SYPULOWA, Alicja; TOMASZEWSKA, Zofia

The VMK variant of a strain of poxvirus officinale. Arch. immun. ther. exp. 13 no.3:355-363 '65.

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Scences, Wroclaw; Department of Microbiology, Pharmaceutical Faculty, School of Medicine, Wroclaw.

ACC NR: AP6033275 SOURCE CODE: UR/0020/66/170/004/0893/0896

AUTHOR: Sypyak, O. I.; Moin, F. B.; Shevchuk, V. U.

ORG: none

TITLE: Study of the homogeneous stages of gas-phase reactions in a stream of inert gas

SOURCE: AN SSSR. Doklady, v. 170, no. 4, 1966, 893-896

TOPIC TAGS: nuclear reactor component, reactor, gas phase reaction, ~~wall effect~~ nuclear reactor technology, inert gas

ABSTRACT: A method and apparatus have been developed for studying gas-phase reactions, under conditions of homogeneity, i.e., excluding the effect of reactor walls. The reaction is carried out in a stream of inert gas which prevents contact of the reagents with the vessel walls. The reaction zone is located in the initial diffusion region of two concentric streams: 1) a central stream of reagents; and 2) a stream of inert gas enveloping the central stream and having the same temperature and velocity. These conditions ensure the greatest possible length for the homogeneous-reaction zone. Figure 1 shows the experimental apparatus. Section 1 is a quartz tube 300 mm in diameter and 450 mm long, equipped with an external electric heater and filled with carbon packing (grain size, 1—1.5 mm). In this section, the inert gas (nitrogen) is heated to the reaction temperature. The heated nitrogen is fed to section 2 which is 45 mm in diameter and 270 mm in length and

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ACC NR: AP6033275

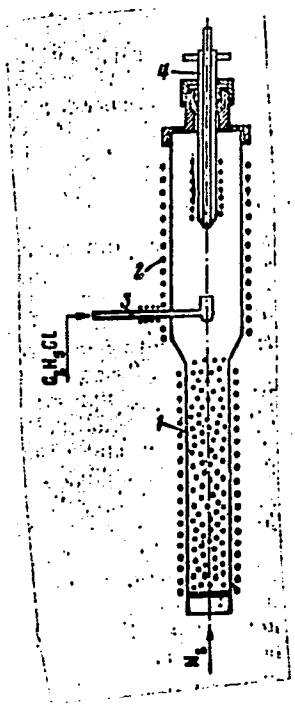

Fig. 1. Apparatus for study of homogeneous gas phase reactions

1 - Inert gas heating section; 2 - reaction section; 3 - capillary for heating of gas of interest; 4 - sampling tube.

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ACC NR: AP6033275

and is equipped with an electrical heater ensuring a uniform temperature field in the entire reaction zone. The gas of interest is fed through quartz capillary 3 having an inside diameter of 0.7 mm, entering the reaction zone, and equipped with an electric heater up to the point of entry into the reactor. The heating time of the gas of interest does not exceed 0.05 sec which is a tiny fraction of the time of residence of the reagents in the reaction zone. At the point of exit of the gas of interest, the capillary is provided with a cylindrical widening, situated in the axis of the reactor, which adjusts the velocity of the gas of interest to that of the inert gas. The reaction gases are chilled and samples for analysis are taken from water-cooled quartz sampling tube 4 located at the reactor exit. To compensate for heat losses in the reaction zone which are caused by the sampling-tube cooling, this tube is equipped with an external electrical heater. The length of the diffusion zone was determined by feeding hydrogen through the capillary. The end of the diffusion zone was taken as the point where the hydrogen concentration was 0.005 vol%; gas sampling was accomplished by a capillary 2 mm in diameter which was moved along the reactor wall. Since in the method described the reaction proceeds in a zone of varying reagent concentration, the applicability of the method is limited to first-order reactions whose rate constant is independent of concentration. The method was applied to the study of the thermal-decomposition kinetics of ethyl chloride at 630—715C and a gas velocity of 15—132 cm/sec. It is expected that the new method will find use in varied kinetic studies. This paper was presented by Academician V. N. Kondratev on 19 Jan 66. Orig. art. has: 3 figures and 1 table. [WA-68]

SUB CODE: 18, 20/ SUBM DATE: 29Dec65/ ORIG REF: 003/ OTH REF: 004/

Card 3/3

ACC NR: AP6033275 SOURCE CODE: UR/0020/66/170/004/0893/0896

AUTHOR: Sypyak, O. I.; Moin, F. B.; Shevchuk, V. U.

ORG: none

TITLE: Study of the homogeneous stages of gas-phase reactions in a stream of inert gas

SOURCE: AN SSSR. Doklady, v. 170, no. 4, 1966, 893-896

TOPIC TAGS: nuclear reactor component, gas phase reaction, ~~wall effect~~ nuclear reactor technology, inert gas

ABSTRACT: A method and apparatus have been developed for studying gas-phase reactions, under conditions of homogeneity, i.e., excluding the effect of reactor walls. The reaction is carried out in a stream of inert gas which prevents contact of the reagents with the vessel walls. The reaction zone is located in the initial diffusion region of two concentric streams: 1) a central stream of reagents; and 2) a stream of inert gas enveloping the central stream and having the same temperature and velocity. These conditions ensure the greatest possible length for the homogeneous-reaction zone. Figure 1 shows the experimental apparatus. Section 1 is a quartz tube 300 mm in diameter and 450 mm long, equipped with an external electric heater and filled with carbon packing (grain size, 1—1.5 mm). In this section, the inert gas (nitrogen) is heated to the reaction temperature. The heated nitrogen is fed to section 2 which is 45 mm in diameter and 270 mm in length and

Card 1/3 UDC: 541.124/,125+541.127

ACC NR: AP6033275

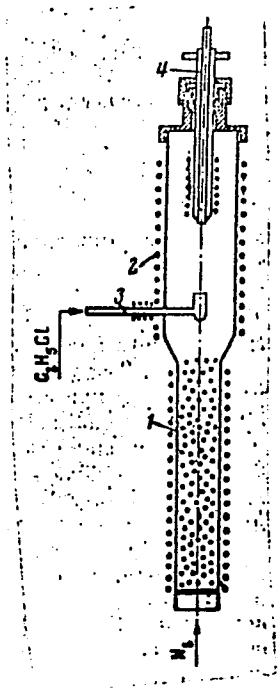


Fig. 1. Apparatus for study of homogeneous gas phase reactions

1 - Inert gas heating section; 2 - reaction section; 3 - capillary for heating of gas of interest; 4 - sampling tube.

Card 2/3

ACC NR: AP6033275

and is equipped with an electrical heater ensuring a uniform temperature field in the entire reaction zone. The gas of interest is fed through quartz capillary 3 having an inside diameter of 0.7 mm, entering the reaction zone, and equipped with an electric heater up to the point of entry into the reactor. The heating time of the gas of interest does not exceed 0.05 sec which is a tiny fraction of the time of residence of the reagents in the reaction zone. At the point of exit of the gas of interest, the capillary is provided with a cylindrical widening, situated in the axis of the reactor, which adjusts the velocity of the gas of interest to that of the inert gas. The reaction gases are chilled and samples for analysis are taken from water-cooled quartz sampling tube 4 located at the reactor exit. To compensate for heat losses in the reaction zone which are caused by the sampling-tube cooling, this tube is equipped with an external electrical heater. The length of the diffusion zone was determined by feeding hydrogen through the capillary. The end of the diffusion zone was taken as the point where the hydrogen concentration was 0.005 vol%; gas sampling was accomplished by a capillary 2 mm in diameter which was moved along the reactor wall. Since in the method described the reaction proceeds in a zone of varying reagent concentration, the applicability of the method is limited to first-order reactions whose rate constant is independent of concentration. The method was applied to the study of the thermal-decomposition kinetics of ethyl chloride at 630—715C and a gas velocity of 15—132 cm/sec. It is expected that the new method will find use in varied kinetic studies. This paper was presented by Academician V. N. Kondratev on 19 Jan 66. Orig. art. has: 3 figures and 1 table. [WA-68]

SUB CODE: 18, 20/ SUBM DATE: 29Dec65/ ORIG REF: 003/ OTH REF: 004/

Card 3/3

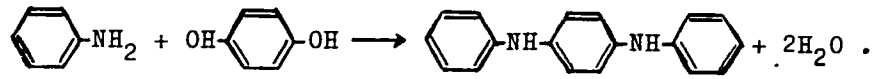
S/064/61/000/004/001/003
B110/B207

AUTHORS: Kissin, B. I., Sypyak, O. I.

TITLE: Diphenyl-p-phenylene diamine preparation

PERIODICAL: Khimicheskaya promyshlennost', no. 4, 1961, 26-27

TEXT: The procedures of diphenyl-p-phenylene diamine production hitherto used for polyethylene and resin stabilization are based on pressure. The authors of the present paper suggest the reaction of aniline with hydroquinone in the presence of zinc chloride:



No pressure was necessary for this method which gave higher yields. 2.20 g mole aniline, 0.55 g mole hydroquinone, 0.4 g mole unhydrous $ZnCl_2$ and 20 ml toluene, or a mixture of chloro benzene and dichloro benzene boiling between 140 and 160°C were given into a steel vessel with receiver and phase separator for water separation, for the purpose of

Card 1/3

Diphenyl-p-phenylene diamine ...

azeotropic water removal. The reaction mass was kept boiling for 30 hr. Thus, the boiling point rose evenly from 185 to 250°C. After the reaction had been finished, the hot liquid was poured into cold water and, subsequently, treated at 70°C with HCl to separate aniline. The filtered off and washed out residue was treated with 250 ml commercial benzene polychlorides (o- and p-dichloro benzenes with trichloro benzene and monochloro benzene) and active coal, heated, separated from water, stirred for one hr at 125-130°C, and filtered off. The filtrate was stirred at 20°C. The grey crystals which were separated, filtered off and twice washed out with 60 ml hot dichloro benzene and hot water and dried at 80-90°C, melted at 143-144°C (theoretically: 152°C), were very close to the calculated nitrogen content of 10.76% and contained 0.15-0.20% of ash. The yield of the purified product was 56% (calculated with respect to hydroquinone). If 20-25% more benzene polychlorides were used for re-crystallizing, the melting point was 148°C and the yield 47%. The benzene polychlorides, excessive aniline, and zinc chloride may be recovered. Owing to water removal from the reaction mass, the metal of the vessel walls corroded only little under the action of zinc chloride. Thus, the corrosion of kettle steel plates (C = 0.14%;

KISSIN, B.I.; SYPYAK, O.I.

Production of diphenyl-*n*- phenylenediamine. Khim.prom. no.4:248-249 Ap '61. (MIRA 14:4)

(Phenylenediamine)

SYRALEV, V.S., inzhener.

Resistance of gravel roadbeds under asphalt concrete pavements. Avt. dor. 19 no.10:10-11 O '56. (MLRA 9:12)

(Pavements, Concrete)

SYRALEV, V.S., inzh.

Let's coordinate methods of determining the granulometric composition of gravel and sand. Avt.dor. 20 no.7:9-10 Jl '57. (MIRA 10:10)

(Road materials--Testing)

SYRALEV, V.S.

Improving methods for controlling the quality of road materials.
Avt. dor. 21 no. 7:13-14 Jl '58. (MIRA 11:8)

1. Nachal'nik laboratorii US-17.
(Road materials--Testing)

SYRAYEV, A.P.

521. DEAERATION OF FEEDWATER. Syrayev, A.P. (Teploenergetika (Heat Pwr Engng, Moscow), Jan. 1956, vol. 3, 39-41). An analysis of various methods of preheating and deaerating boiler feedwater shows that deaeration of chemically treated water and condensate separately gives greater efficiency. (L). C.E.A.

SYRAZHSKIY, D. Ya.

Dissertation: "Braked Anemometers and Their Investigation." Cand Tech Sci, Main Geophysics Observatory imeni A. I. Voyeykov, Leningrad, 1953. Referativnyy Zhurnal--Fizika, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

SYRBOVA, S. [Surbova, S.]; PALAVEYEVA, M. [Palaveeva, M.]

Study on the insecticide action of certain Bulgarian plants.
Trudy epidemiol mikrobiol 8:203-205 '61 [publ.'62].

1. Nauchno-issledovatel'skiy institut epidemiologii i mikrobiologii (for Surbova). 2. SSI im. G. Dimitrova (for Palaveeva).

PAVLOV, P.; SYRBOVA, S.; MAGHICHKA, O.

On the species composition of Ixodes ticks in the vicinity of Iskra village, Plovdiv district. Izv. mikrobiol. inst. 14: 35-38 '62.

(TICKS) (ENCEPHALITIS, EPIDEMIC)

SYRBU, G.A.

Weed control in rice plantations. Zemledelie 27 no.3:45-46 Mr '65. (MIRA 19:1)

1. Kzyl-Ordinskaya sel'skokhozyaystvennaya opytnaya stantsiya, Dzhalagashskogo rayona.

L 21732-65 EWT(1)/EWG(k)/T/EWA(h) Peb/Pz-6 IJP(c)/SSD(c)/ASD(a)-5/SSD/
AFMD(t)/AFETR/ESD(c)/ESD(gs) AT

ACCESSION NR: AP4043391 S/0181/64/006/008/2537/2539

AUTHOR: Sobolev, V. V.; Sy*rbu, N. N.

TITLE: Band structure of gallium phosphide

SOURCE: Fizika tverdogo tela, v. 6, no. 8, 1964, 2537-2539

TOPIC TAGS: gallium compound, band spectrum, doublet splitting, conduction band, valence band, reflected radiation spectrum

ABSTRACT: The reflection spectrum of GaP at 290K had two peaks at 230 and 330 mμ, the latter a doublet consisting of lines at 320 and 335 mμ. The doublet peak at 3.7 ev corresponded to direct interband transitions at the point L and the reflection peak at 5.4 ev corresponded to the point X, which can be seen in the energy band structure of GaP derived in the present paper (see Fig. 1 of Enclosure). F. Herman's formula (J. Electronics, v. 1, 103, 1955) was used to calculate the energies of direct interband transitions and the separa-

Card 1/3

L 21732-65
ACCESSION NR: AP4043391

tion of the uppermost valence band from the second conduction band at the point Γ. The conclusions of Gross et al. (FTT, v. 3, 3543, 1961) on the valence band structure of GaP are stated to be incorrect. Orig. art. has: 2 figures.

ASSOCIATION: Institut fiziki i matematiki AN Mold. SSR, Kishinev (Institute of Physics and Mathematics, AN MoldSSR)

SUBMITTED: 23Jan64 ENCL: 01

SUB CODE: IC, OP NO REF SOV: 003 OTHER: 006

Card 2/3

L 21732-65

ACCESSION NR: AP4043391

ENCLOSURE: 01

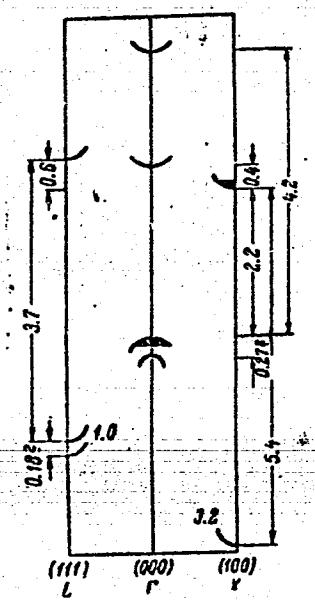


Fig. 1

Energy band structure of gallium phosphide

Card 3/3

ACCESSION NR: AP4043392 S/0181/64/006/008/2539/2541

AUTHORS: Sobolev, V. V.; Andriyesh, A. M.; Sy*rbu, N. N.; Shumov, S. D.

TITLE: Reflection spectra of crystals of groups II-IV and III-VI

SOURCE: Fizika tverdogo tela, v. 6, no. 8, 1964, 2539-2541

TOPIC TAGS: indium antimonide, cadmium alloy, group II element, group III element, group IV element, group VI element, reflected radiation spectrum, band spectrum

ABSTRACT: This investigation was undertaken in connection with the great interest which is attached to compounds of the CdSb and In_2Te_3 type. The energy structure of crystals of groups II--V and III--VI was investigated at 290K in the region 1--6 eV. The reflection spectra of polished and etched crystals CdSb, ZnSb, 56% ZnSb-44% CdSb, Cd_4Sb_3, Zn_3Sb_2, Zn_4Sb_3, In_2Se_3, In_2Te_3, $CdIn_2Se_4$, Ga_2Se_3, Ga_2Te_3,

Card 1/3

ACCESSION NR: AP4043392

GaSe, and GaTe were investigated. The similarities and differences between the various spectra are briefly discussed. It is concluded that in view of the similarity of their reflection spectra, the crystals CdSb, ZnSb, and Zn_3Sb_2, Zn_4Sb_3, and Cd_4Sb_3 have similar energy-band structures and nearly equal transition energies. The general conclusion is that the compounds of groups II--V and III--VI are close to compounds of groups III--V and II--VI not only in lattice structure but also in the type of bond and energy-band structure. Orig. art. has: 1 figure.

ASSOCIATION: Institut fiziki i matematiki AN MoldSSR, Kishinev (Institute of Physics and Mathematics, AN MoldSSR)

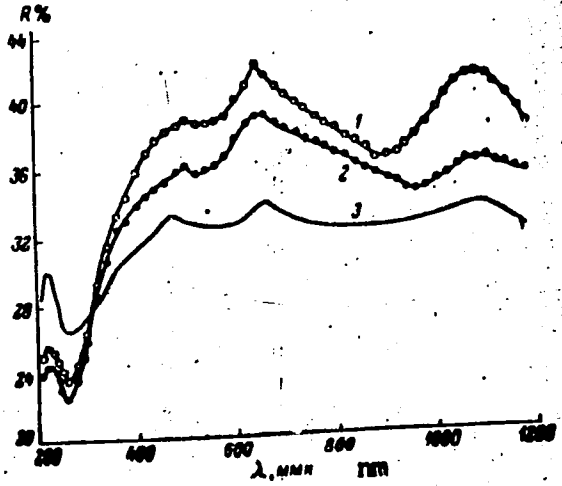
SUBMITTED: 23Jan64 ENCL: 01

SUB CODE: SS NR REF SOV: 003 OTHER: 001

Card 2/3

ACCESSION NR: AP4043392

ENCLOSURE: 01



Reflection spectra at T = 290°K in the range of 1-6 eV; 1 - InSb, 2 - CdSb, 3 - In_2Te_3

Card 3/3

L 2373-66 EWT(1)/T LJP(c) GG

ACCESSION NR: AP5020827 UR/0020/65/163/004/0868/0869

AUTHORS: Kesamanly, F. P.; Kroitoru, S. G.; Rud', Yu. V.; Sobolev, V. V.; Syrtu, N. N.

TITLE: The energy band structure in crystals of the group $A^{II}B^{IV}C_2^V$

SOURCE: AN SSSR. Doklady, v. 163, no. 4, 1965, 868-869

TOPIC TAGS: semiconductor, zinc compound, conduction band, Brillouin zone

ABSTRACT: Investigations were made of the energy structure in minerals having the structure of chalcopyrite. The lowest conduction band is simple, and the highest valence band is triple. This paper examines the reflection spectra of $ZnSnAs_2$, $ZnSiP_2$, and $ZnSiAs_2$ in the region of 1-6 ev and at 293K. The spectral distribution of reflectivity showed two intense maximums for each crystal: at 265 and 600 mμ for the first, 280 and 330 mμ for the second, and 275-295 and 370 mμ for the third. The peak at 600 mμ for $ZnSnAs_2$ has a doublet structure with two maximums at 550 and 650 mμ. Spin orbit splitting for $ZnSnAs_2$ proved to be 5-10 times that for the other two. Because of the width of the peaks, doublet structure of a long-wave maximum was not observed in the reflectivity curves of the last two crystals. In

Card 1/2

Card 2/2

ACC NR: AT7003334 (A) SOURCE CODE: UR/0000/66/000/000/0221/0228

AUTHOR: Sobolev, V. V.; Syrbu, N. N.; Shutov, S. D.

ORG: none

TITLE: Energy structure of bands of certain II - V, V - VI, and III - VI compounds

SOURCE: AN BSSR. Institut fiziki tverdogo tela i poluprovodnikov. Khimicheskaya svyaz' v poluprovodnikakh i termodinamika (Chemical bond in semiconductors and thermodynamics). Minsk, Nauka i tekhnika, 1966, 221-228

TOPIC TAGS: semiconducting material, semiconductor band structure, light reflection, optic spectrum, Brillouin zone, optic transition

ABSTRACT: The purpose of the investigation was to study the reflection spectra in the region $E > E_g$ of a large number of anisotropic semiconductors (ZnSb, CdSb, Zn_4Sb_3, Zn_3Sb_2, Cd_4Sb_3, Zn_3P_2, Cd_3P_2, Zn_3As_2, Cd_3As_2, $ZnAs_2$, $CdAs_2$, Sb_2S_3, Sb_2Se_3, Sb_2Te_3, Bi_2S_3, Bi_2Se_3, Bi_2Te_3, InSe, In_2Te, GaSe, and GaTe) for the purpose of determining the energy gaps at different points of the Brillouin zone and comparing them with the band theories for anisotropic substances. The reflection spectra were investigated in the region 1 - 6 ev at T = 293K. Plots of all the spectra are presented and tables of the reflection peaks for different energies are given. The main conclusion of the data is that most reflection maxima of the crystals are due to direct interband transitions; their magnitudes on the energy scale are directly equal to the values of the corresponding interband gaps at different principal points of the Brillouin zone. The

Card 1/2 UDC: 541.57

ACC NR: AT7003884

various peaks observed on the reflection spectra for the different substances are interpreted from the point of view of the published theoretical and experimental papers dealing with the different compounds. Orig. art. has: 1 figure and 4 tables.

SUB CODE: 20/ SUBM DATE: 20Aug66/ ORIG REF: 011/ OTH REF: 008

Card 2/2

ACC NR: AT7003835 (A) SOURCE CODE: UR/0000/66/000/000/0240/0250

AUTHOR: Kritovu, S. G.; Sobolev, V. V.; Syrbu, N. N.; Shutov, S. D.

ORG: none

TITLE: Energy band structure of crystals of groups IV, III - V, II - VI, and the Mg_2Si type

SOURCE: AN BSSR. Institut fiziki tverdogo tela i poluprovodnikov. Khimicheskaya svyaz' v poluprovodnikakh i termodinamika (Chemical bond in semiconductors and thermodynamics). Minsk, Nauka i tekhnika, 1966, 240-250

TOPIC TAGS: semiconducting material, semiconductor band structure, light reflection, optic spectrum

ABSTRACT: The authors investigated the band structure, using the reflection spectra of pure and alloyed, polished and etched samples, cleaved crystals, and dendrites of groups IV and III - V, and polished and etched crystals of groups II - VI (Si, Ge, GaAs, GaSb, InAs, InSb, InP, GaP, and AlSb), Mg_2Si, Mg_2Sn, and certain solid solutions of the systems InP-InAs, AlSb-GaSb, CdTe-HgTe, ZnSe-CdSe, Mg_2Si-Mg_2Sn, and Mg_2Si-Mg_2-Se. The various peaks observed on the different spectra of the substances are listed and compared with results obtained by others. Tables of the experimental values of the direct interband transitions are presented. It is stated in the conclusion that the lack of concrete and sufficiently detailed calculations of the bands and schemes for the chemical binding forces for most solids makes it very difficult

Card 1/2 UDC: 541.57

ACC NR: AT7003885

to make further progress in the spectroscopy of crystals in k-space, which would help explain many physical and chemical properties of semiconductor compounds. Orig. art. has: 3 figures, 1 formula, and 2 tables.

SUB CODE: 20/ SUBM DATE: 20Aug66/ ORIG REF: 007/ OTH REF: 001

Card 2/2

ACC NR: AT7003886 SOURCE CODE: UR/0000/66/000/000/0251/0260

AUTHOR: Zalevskiy, B. K.; Lashkarev, G. V.; Sobolev, V. V.; Syrbu, N. N.

ORG: none

TITLE: Experimental studies of the structure of energy bands in certain rare earth element chalcogenides

SOURCE: AN BSSR. Institut fiziki tverdogo tela i poluprovodnikov. Khimicheskaya svyaz' v poluprovodnikakh i termodinamika (Chemical bond in semiconductors and thermodynamics). Minsk, Nauka i tekhnika, 1966, 251-260

TOPIC TAGS: ~~compound semiconductor,~~ refractory compound, sulfide, selenide, oxytelluride, rare earth compound, semiconductor band structure, reflection spectrum, ENERGY BAND STRUCTURE

ABSTRACT: Reflection spectra in the 200—1200 mμ range of seven rare earth element chalcogenides and three oxytellurides have been obtained at 293°K and interpreted in terms of the theory of energy band structure of semiconductors. The compacted polycrystalline samples used in the experiments were prepared by sintering at 1000—1750°C powdered components in hydrogen sulfide or selenide atmosphere or in evacuated quartz ampules. Reflection spectra in the region of energy greater than the minimum forbidden energy gap (Eg) were similar for all the compounds studied. This fact indicates a great similarity in the structure of energy bands between chalcogenides and oxytellurides of the rare earth elements. Structural peculiarities

Card 1/2 UDC: none

ACC NR: AT7003886

of the M_2X_3 and MX compound semiconductors were derived from the weak reflection peaks of Ce_2Sl_3, Nd_2Sl_3, and EuSe and from the reflection peaks in the 240—420 mμ region of Sm_2S_3 and sesquiselenides of La, Le, PR, Nd, and Sm. Orig. art. has: 4 figures, 1 table, and 3 formulas. [JK]

SUB CODE: 07/ SUBM DATE: 20Aug66/ ORIG REF: 011/ OTH REF: 010/

Card 2/2

SYRBU, P. [Sirbu, P.]; NANDRISH, A. [Nandris, A.]; FOTINO, Ye. [Fotino, E.]; ZUGREVESKU, A. [Zugravescu, A.]

Prevention and therapy of hemolytic disease of the newborn. Treatment of the sioimmunized puerpera with corticosteroids and of the newborn infant with blood transfusions and corticosteroids. Akush. i gin. 38 no.5:80-84 S-O '62. (MIRA 17:11)

1. Iz gospitalya zhenskikh bolezney "Dzhulesht'",Bukharest i Instituta gematologii, Bukharest.

BRATT, D.M.; SYRBUL, V.S.

Changes in 17-ketosteroids in acute renal insufficiency. Trudy Kish. gos. med. inst. 24:34-36 '62 (MIRA 18:1)

1. Urologicheskaya klinika Kishinevskogo gosudarstvennogo meditsinskogo instituta.

TETRADOV, A.N.; BRATI, D.M.; KIROSHKA, M.V.; PUNGA, V.K.; BYRSAN, M.R.; LEMPERT, M.D.; KERDIVARENKO, Ye.P.; SYRBUL, V.S.

Experience in the treatment of acute renal insufficiency following poisoning with distilled vinegar. Trudy Kish. gos. med. inst. 24:23-26 '64 (MIRA 18:1)

1. Urologicheskaya klinika Kishinevskogo gosudarstvennogo meditsinskogo instituta.

SYRCHEV, I. F. (Kuybyshev,)

Opyt Raboty Kuybyshevskogo Gorodskogo Psikhonevrologicheskogo Dispansera.

p. 535 V sb. Aktual'n. probl. nevropatol. i psikhiatrii. Kuybyshev, 1957.

ANTIPIN, Lev Nikolayevich; VAZHENIN, Sergey Filippovich; KAL'CHENKO, V.S., retsenzent; SYRCHINA, M.M.,; TURKINA, Ye.D., tekhn. red.

[Economy of electric power consumption with an increase in aluminum production] Ekonomiia elektroenergii pri intensifikatsii proizvodstva aliuminiia. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1961. 34 p. (MIRA 14:10)
(Aluminum--Electrometallurgy) (Electric power)

SYREISHCHIKOV, Yu.P., inzh.

Productive capacity in the vibratory compression of ballast. Vest. TSNII MPS 23 no.1:41-45 '64 (MIRA 17:4)

NOWAK, Zygfryd, mgr inż.; OSIP, Tomasz, techn.; SYREK, Edmund, techn.

Economic evaluation of mechanical dressing of coarse assortments.
Glow inst gorn prace no.352/360:151-157 '64.

1. Central Mining Institute, Katowice.

SYREK, Mieczysław

Problem of fluctuating [illegible] and engineering and technological inspection in Silesian [illegible] metallurgy. Hutnik 31 no.6:206-208 Je'64

SYREK, Mieczyslaw, dr

Methods of measuring the work productivity according to the industrial practice applied in iron metallurgy. Hutnik 32 no.1: 25-29 Ja '65.

L 30457-66

ACC NR: AP6027078 SOURCE CODE: PO/0028/66/015/001/0055/0086

AUTHOR: Syrek, Wilhelm--Syrek, V.

ORG: none

TITLE: Determination of the relative and internal alignment of the aerial photographs of mountainous regions

SOURCE: Geodezja i kartografia, v. 15, no. 1, 1966, 55-86

TOPIC TAGS: aerial photography, photographic image, mathematic transformation

ABSTRACT: If the right-hand photo of a stereo pair is assumed to be strictly horizontal, certain geometrical relationships arise, which take into account the relative tilt of the left-hand photo, as well as the relative tilt of the base on the coordinates of the left-hand photo. After transformations consisting in the division of small angles into a number of functions, formulas are derived for determining the elements of mutual alignment on the basis of measurement of the transverse and longitudinal parallax on the four characteristic points of the left-hand photo. Orig. art. has: 12 figures, 30 formulas and 2 tables. [JPRS: 36,457]

SUB CODE: 14, 12 / SUBM DATE: none

Card 1/1

SYRENSKIY, N. N.

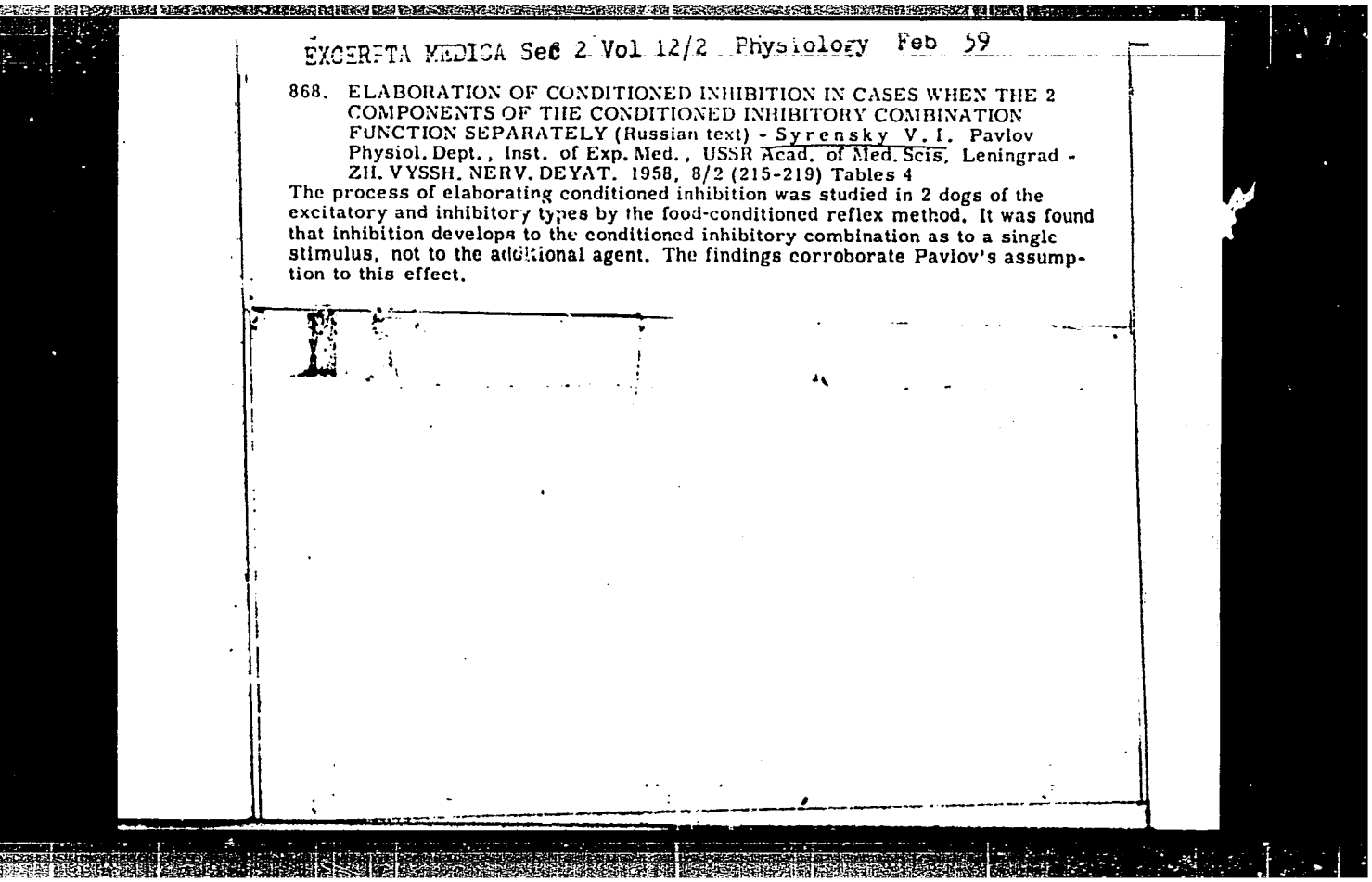
42716. SYRENSKIY, N. N. i SAPAROV, M. Ya Ob Izuchenii Elektrotravmy. Vracheb. Delo, 1948, No 11, s. 1007-12

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

SYRENSKIY, V. I.

SYRENSKIY, V. I. -- "Mechanism of the Process of Internal Inhibition in the Presence of Conditioned Inhibition." Inst Experimental Medicine of the Acad Med Sci USSR, Leningrad, 1955 (Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya letopis', No. 37, 3 September 1955



EXCERPTA MEDICA Sec 2 Vol 12/2 Physiology Feb 59

868. ELABORATION OF CONDITIONED INHIBITION IN CASES WHEN THE 2 COMPONENTS OF THE CONDITIONED INHIBITORY COMBINATION FUNCTION SEPARATELY (Russian text) - Syrensky V. I. Pavlov Physiol. Dept., Inst. of Exp. Med., USSR Acad. of Med. Scis, Leningrad - ZH. VYSSH. NERV. DEYAT. 1958, 8/2 (215-219) Tables 4

The process of elaborating conditioned inhibition was studied in 2 dogs of the excitatory and inhibitory types by the food-conditioned reflex method. It was found that inhibition develops to the conditioned inhibitory combination as to a single stimulus, not to the additional agent. The findings corroborate Pavlov's assumption to this effect.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654310004-7"

SYRENSKIY, V.I.

Development of an inhibitory process during the elaboration of the conditioned inhibition and in chronic extinction with an accessory agent [with summary in English]. Biul. eksp. biol. i med. 45 no.2:3-7 F'58. (MIRA 11:5)

1. Iz Instituta eksperimental'noy meditsiny (nauchnyy rukovoditel'-deystvitel'nyy chlen AMN SSSR prof. P.S. Kupalov) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR prof. P.S. Kupalovym.

(REFLEX CONDITIONED,
develop. of inhib. processes during prod. of conditioned inhib. in chronic extinction with accessory agent (Rus))

SYRENSKIY, V.I.

Differentiation of rhythmic sound stimuli by freely moving animals. Biul. eksp. biol. i med. 51 no.4:17-21 Ap '61. (MIRA 14:8)

1. Iz fiziologicheskogo otdela imeni I.P.Pavlova (zav. - deystvitel'nyy chlen AMN SSSR P.S.Kupalov) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR prof. D.A.Biryukov) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR P.S.Kupalovym.
(HEARING) (CONDITIONED RESPONSE)

SYRENSKIY, V.I.

Importance of some head and body positions in animals for the correct differentiation of sound conditioned stimuli under conditions of free movement. Biul.eksp.biol.i med. 54 no.7:6-10 Jl '62. (MIRA 15:11)

1. Iz fiziologicheskogo otdela imeni I.P.Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S.Kupalov) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR prof. D.A.Biryukov) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR P.S.Kupalovym.
(CONDITIONED RESPONSE) (POSTURE) (MOVEMENT, PSYCHOLOGY OF)

SYRENSKIY, V.I.

Disorders of higher nervous activity under conditions of unrestrained motor activity of the animal. Zhur. vys.nerv. deiat. 13 No.2:2860290 Mr-Ap'63. (MIRA 16:9)

1. Pavlov Physiological Department, Institute of Experimental Medicine, U.S.S.R. Academy of Medical Sciences, Leningrad.
(CONDITIONED RESPONSE)

NOZDRACHEV, A.D.; SYRENSKIY, V.I.; SHICHKO, G.A.

Size of the dog brain before and after its fixation by perfusion of the cerebral vessels with a 10% formalin solution. Biul. eksp. biol. i med. 56 no.9:120-122 S '63.

(MIRA 17:10)

1. Iz fiziologicheskogo otdela imeni Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S. Kupalov) Instituta eksperimental'noy meditsiny (dir. - deystvitel'nyy chlen AMN SSSR prof. D.A. Biryukov), Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR P.S. Kupalovym.

KUPALOV, Petr Stepanovich [deceased]; VOYEVODINA, Ol'ga Nikolayevna; VOLKOVA, Valentina Dmitriyevna; MALYUKOVA, Irina Vasil'yevna; SELIVANOVA. Al'bina Timofeyevna; SYRENSKIY, Valeriy Ivanovich; KHANANASHVILI, Mikhail Mikhaylovich; SHICHKO, Gennadiy Andreyevich; BERKENBLIT, Z.M., red.

[Situational conditioned reflexes in normal dogs and in pathology] Situatsionnye uslovnye refleksy u sobak v norme i patologii. Leningrad, Meditsina, 1964. 274 p.
(MIRA 17:8)

SHICHKO, G.A.; SYRENSKIY, V.I.; NOZDRACHEV, A.D. (Leningrad)

Method for fixation of the brain through the blood vessels. Arkh. pat. 26 no.9:71-74 '64. (MIRA 18:4)

1. Fiziologicheskiy otdel imeni Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S.Kupalov) Instituta eksperimental'noy meditsiny AMN SSSR.

SYRENSKIY, V.I.

Physiological significance of rhythm and intensity as the components of the acoustic conditioned food stimulus. Zhur. vys. nerv. deiat. 14 no.3:475-479 My-Je '64. (MIRA 17:11)

1. Pavlov Physiological Department, Institute of Experimental Medicine, U.S.S.R. Academy of Medical Sciences, Leningrad.

SYRENSKIY, V.I.

Analysis of the higher nervous activity of an animal using the methodology of situation conditioned responses. Zhur. vys. nerv. deiat. 15 no.2:351-356 Mr-Ap '65.

(MIRA 18:5)

1. Fiziologicheskiy otdel imeni I.P. Pavlova Instituta eksperimental'noy meditsiny AMN SSSR.

1. SYREBIN, I.

2. USSR (600)

4. Horses - Feeding and Feeding Stuffs

7. Feeding stallions a yeast feed, Konevodstvo 23 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

GENGRINOVICH, A.I.; SYRESKINA, N.N.

Quantitative determination of thymol. Apt.delo 8 no.6:52-55 N-D '59. (MIRA 13:4)

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